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|--|--|---|---|
| Form PTO 1390<br>(REV 5-93)  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br><b>P51335</b>                               |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED / ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371 |  |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><b>10/509,921</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/US03/10177</b>   | INTERNATIONAL FILING DATE<br><b>3 April 2003</b> | PRIORITY DATE CLAIMED<br><b>3 April 2002</b>            |   |
| TITLE OF INVENTION<br><b>HEPATITIS C VIRUS SUB-GENOMIC REPLICONS</b>   |  |   |   |
| APPLICANT(S) FOR DO/EO/US<br><b>Adam GATES, Baohua GU, and Robert SARISKY</b>  |  |   |   |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment. (Add claim to priority via Preliminary Amendment).
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ An Abstract on a separate sheet of paper.
18. ☒ Copy of Form PCT/DO/EO/905.
19. ☐ Other items or information:

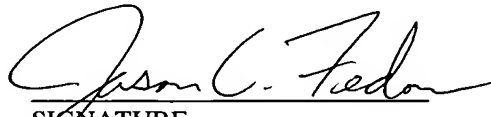
|   |              |  |                     |                                       |    |
|---|--------------|--|---------------------|---------------------------------------|----|
| US APPLICATION NO. (if known see 37 CFR 1.50)<br><b>09/077,263</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/US03/10177</b> |                     | ATTORNEYS DOCKET NO.<br><b>P51335</b> |    |
| 20. [X] The following fees are submitted:   |              |  |                     | CALCULATIONS PTO USE ONLY             |    |
| ( ) one month extension..... \$ 110<br>( ) two months extension..... \$ 430<br>( ) three months extension..... \$ 980<br>( ) four months extension<br>(not beyond statutory time period)..... \$1,530<br>( ) fifth month extension..... \$2,080 |              |  |                     |                                       |    |
| ENTER APPROPRIATE BASIC FEE AMOUNT =  |              |  |                     | <b>\$0.00</b>                         |    |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than o 20 o 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |                     | <b>\$130.00</b>                       |    |
| Claims  | Number Filed | Number Extra   | Rate                |                                       |    |
| Total claims  | - 20 =       | <b>0</b>   | <b>0 x \$50.00</b>  | <b>\$0.00</b>                         |    |
| Independent claims  | - 3 =        | <b>0</b>   | <b>0 x \$200.00</b> | <b>\$0.00</b>                         |    |
| Multiple dependent claims (if applicable)   |              |  | + \$300.00          | <b>\$0.00</b>                         |    |
| TOTAL OF ABOVE CALCULATIONS =   |              |  |                     | <b>\$130.00</b>                       |    |
| Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).  |              |  |                     | <b>\$</b>                             |    |
| SUBTOTAL =  |              |  |                     | <b>\$130.00</b>                       |    |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than o 20 o 30 months from the earliest claimed priority date (37 CFR 1.492(f)) +  |              |  |                     | <b>\$</b>                             |    |
| TOTAL NATIONAL FEE =  |              |  |                     | <b>\$130.00</b>                       |    |
| 06/28/2005 MKAYPAGH 00000097 192570 10509921<br>01 FC:1617 130.00 DA  |              |  |                     | Amount to be refunded                 | \$ |
|   |              |  |                     | charged                               | \$ |

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 19-2570 in the amount of **\$130.00** to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-2570. A duplicate copy of this sheet is enclosed.
- d. ☒ General authorization to charge any and all fees under 37 CFR 1.16 or 1.17, including petitions for extension of time relating to this application. (37 CFR 1.136 (a)(3)).

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

**SEND ALL CORRESPONDENCE TO:**

**GLAXOSMITHKLINE**  
 Corporate Intellectual Property - UW2220  
 P.O. Box 1539  
 King of Prussia, PA 19406-0939  
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 Facsimile (610) 270-5090

  
 SIGNATURE  
 Jason C. Fedon  
 NAME  
 48,138  
 REGISTRATION NO.

PATENT  
ATTORNEY'S DOCKET NUMBER P51335

TRANSMITTAL LETTER TO THE U.S. DESIGNATED/ELECTED OFFICE  
(DO/EO/US) – CONCERNING A FILING UNDER 35 U.S.C 371

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|                        |                           |                       |
|------------------------|---------------------------|-----------------------|
| INTERNATIONAL APP. NO. | INTERNATIONAL FILING DATE | PRIORITY DATE CLAIMED |
| PCT/US03/10177         | 3 April 2003              | 3 April 2002          |

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TITLE OF INVENTION  
HEPATITIS C VIRUS SUB-GENOMIC REPLICONS

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APPLICANT(S) FOR DO/US  
Adam GATES, Baohua GU, and Robert SARISKY

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Commissioner for Patents  
Mail Stop: PCT  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: DO/US

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CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Transmittal Letter, Form PTO 1390 and the papers indicated as being transmitted therewith, and Post Card are being deposited with the United States Postal Service on this date January 26, 1999 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV710807317US addressed to the: Commissioner for Patents, Mail Stop: PCT, P.O. Box 1450, Alexandria, Va 22313-1450.

Connie Myers  
(Typed or printed name of person mailing paper)

Connie Myers  
(Signature of person mailing paper)

20462

CUSTOMER NUMBER



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/509,921

FIRST NAMED APPLICANT

Adam Gates

ATTY. DOCKET NO.

P51335

INTERNATIONAL APPLICATION NO.

PCT/US03/10177

I.A. FILING DATE

04/03/2003

PRIORITY DATE

04/03/2002

20462

SMITHKLINE BEECHAM CORPORATION  
 CORPORATE INTELLECTUAL PROPERTY-US, UW2220  
 P. O. BOX 1539  
 KING OF PRUSSIA, PA 19406-0939

CONFIRMATION NO. 3826

371 FORMALITIES LETTER



\*OC000000015815129\*

Date Mailed: 04/22/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 10/01/2004
- Copy of the International Search Report filed on 10/01/2004
- Copy of IPE Report filed on 10/01/2004
- Preliminary Amendments filed on 10/01/2004
- Information Disclosure Statements filed on 10/01/2004
- Biochemical Sequence Diskette filed on 10/01/2004
- Biochemical Sequence Listing filed on 10/01/2004
- Small Entity Statement filed on 10/01/2004
- Request for Immediate Examination filed on 10/01/2004
- Copy of references cited in ISR filed on 10/01/2004
- U.S. Basic National Fees filed on 10/01/2004
- Assignment filed on 10/01/2004
- Priority Documents filed on 10/01/2004

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RECEIVED  
CLARK BEECHAM

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/509,921                  | PCT/US03/10177                | P51335           |